IN THE CLAIMS:

Please cancel Claim 12 without prejudice or disclaimer.

Please amend Claims 1 through 11 and 13 through 20 to read as follows.

1. **(Currently Amended)** An image processing apparatus comprising:

an input unit <u>configured to input</u> ~~for inputting~~ image data <u>including image components</u>; ~~and~~

<u>a generating unit configured to generate mesh image data representing a mesh image;</u>

<u>and</u>

an <u>adding</u> ~~attachment~~ unit <u>configured to add the</u> ~~for attaching~~ mesh image data <u>generated</u>

<u>by the generating unit to the image data input by the input unit</u> as <u>one of the image components</u>

~~a component of the input image data~~.

2. **(Currently Amended)** The image processing apparatus according to claim 1, further comprising a processing unit <u>configured to process</u> ~~for processing~~ the image data input by the input unit, and wherein the <u>generating</u> ~~attachment~~ unit <u>generates</u> ~~attaches~~ mesh image data transformed according to how the processing unit processes the image data.

3. **(Currently Amended)** The image processing apparatus according to claim 1, wherein the <u>generating</u> ~~attachment~~ unit <u>generates</u> ~~attaches~~ mesh image data transformed according to attribute information of the image data input by the input unit.

4.   **(Currently Amended)** The image processing apparatus according to claim 1 [[3]], wherein the <u>generating</u> ~~attachment~~ unit <u>generates</u> ~~attaches~~ mesh image data transformed according to information relating to an optical system that <u>captures</u> ~~senses~~ the image data.

5.   **(Currently Amended)** The image processing apparatus according to claim 4, wherein the <u>generating</u> ~~attachment~~ unit <u>generates</u> ~~attaches~~ mesh image data transformed according to information on a bulge aberration of the optical system.

6.   **(Currently Amended)** The image processing apparatus according to claim 4, wherein the <u>generating</u> ~~attachment~~ unit <u>generates</u> ~~attaches~~ mesh image data transformed according to information on a zoom magnification of the optical system.

7.   **(Currently Amended)** The image processing apparatus according to claim 6, wherein the <u>generating</u> ~~attachment~~ unit <u>generates</u> ~~attaches~~ mesh image data having a large mesh size when the image data has been <u>captured</u> ~~sensed~~ on a telescopic side of the optical system and <u>generates</u> ~~attaches~~ mesh image data having a small mesh size when the image data has been <u>captured</u> ~~sensed~~ on a wide-angle side of the optical system.

8.   **(Currently Amended)** The image processing apparatus according to claim 4, further comprising a sensor that detects a tilt of the optical system, and wherein the <u>generating</u>

~~attachment~~ unit <u>generates</u> ~~attaches~~ mesh image data <u>transformed</u> according to a tilt of the optical system.

9.   **(Currently Amended)** The image processing apparatus according to claim 1, further comprising an <u>encoding</u> ~~encryption~~ unit <u>configured to encode, by a common image encoding method,</u> ~~for encrypting~~ the ~~input~~ image data [[and]] <u>in which</u> the mesh image data <u>is added.</u> ~~with the same encryption method~~.

10.   **(Currently Amended)** The image processing apparatus according to claim 1, further comprising a display unit <u>configured to display</u> ~~for selectively displaying~~ either the mesh image data alone or <u>the predetermined image components</u> ~~both the input image data~~ and the mesh image data in combination.

11.   **(Currently Amended)** An image processing apparatus comprising:

an input unit <u>configured to input</u> ~~for inputting~~ image data <u>comprising image components</u>;

<u>a transforming unit configured to transform an image based on the image data input by the input unit;</u>

a generating unit <u>configured to generate</u> ~~for generating~~ mesh image data <u>representing a mesh image which is transformed</u> corresponding to the ~~input~~ image <u>transformed by the</u>

transforming unit ~~data, and~~

an adding unit configured to add the mesh image data generated by the generating unit to the image data corresponding to the image transformed by the transforming unit as one of the image components; and

a recording unit configured to record onto a storage medium, ~~for recording~~ the ~~input~~ image data in which [[and]] the mesh image data is added ~~onto a storage medium~~.

12.   **(Canceled)**

13.   **(Currently Amended)** The image processing apparatus according to claim 11, wherein the generating unit generates mesh image data transformed according to attribute information of the image data input by the input unit.

14.   **(Currently Amended)** The image processing apparatus according to claim 11, wherein the generating unit generates mesh image data transformed according to information relating to an optical system that captures ~~senses~~ the image data.

15.   **(Currently Amended)** The image processing apparatus according to claim 11, further comprising an encoding ~~encryption~~ unit configured to encode, by a common image encoding method, ~~for encrypting~~ the ~~input~~ image data [[and]] in which the mesh image data is added, wherein the recording unit records encoded image data encoded by the encoding unit onto the

storage medium ~~with the same encryption method~~.

16.   **(Currently Amended)** The image processing apparatus according to claim 15 [[11]], further comprising a reproduction unit <u>configured to reproduce</u> ~~for reproducing~~ the ~~input~~ image data ~~and the mesh image data~~ recorded on the storage medium<u>, and a decoding unit configured to decode reproduced image data and output decoded image data and decoded mesh data</u>.

17.   **(Currently Amended)** An image processing method, comprising:

an input step of inputting image data <u>including image components</u>;

<u>a generating step of generating mesh image data representing a mesh image;</u> and

an <u>adding</u> ~~attachment~~ step of <u>adding</u> ~~attaching~~ the mesh image data <u>generated in the generating step to the image data input by the input unit</u> as [[a]] <u>one of the image components</u> ~~components of the input image data~~.

18.   **(Currently Amended)** An image processing method, comprising:

an input step of inputting image data <u>comprising image components</u>;

<u>a transforming step of transforming an image based on the image data input by the input unit;</u>

a generating step of generating mesh image data <u>representing a mesh image which is</u>

transformed corresponding to the input image data transformed in the transforming step; and

a recording step of recording the input image data and the mesh image data onto a storage medium.

19.   **(Currently Amended)** A computer program stored on a computer-readable medium for causing a computer to execute the steps of:

inputting image data including image components; and

generating mesh image data representing a mesh image; and

adding attaching the mesh image data generated in the generating step to the input image data as one of the image a component components of the input image data.

20.   **(Currently Amended)** A computer-readable storage medium storing a computer program code for causing a computer to execute the steps of:

inputting image data including image components;

generating mesh image data representing a mesh image; and

adding attaching mesh image data generated in the generating step to the input image data as one of the image a component components of the input image data.